

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 01176615
PUBLICATION DATE : 13-07-89

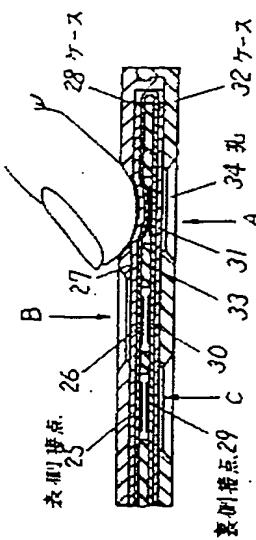
APPLICATION DATE : 29-12-87
APPLICATION NUMBER : 62334524

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : FUJIYAMA TERUKI;

INT.CL. : H01H 13/70

TITLE : DOUBLE-SIDED INPUT SWITCH



ABSTRACT : PURPOSE: To obtain a low cost double-sided input switch by providing cases at both sides of a membrane switch and carrying out switching directly or through an operating body through the holes of the cases.

CONSTITUTION: A front surface contact 25 and a rear surface contact 29 are provided on the front side FPC 26 and the rear side FPC 30 respectively maintaining the opposite positions through a spacer 33, and a membrane switch is composed. On both sides of the membrane switch, a front side facing panel 27 and a rear side facing panel 31 are positioned, and they are held between a front side case 28 and a rear side case 32 which are made of a rigid or a half-rigid substance, to compose a both-sides input switch. In this case, however, there is no rigid body to hold the membrane switch, and the size of holes 32 must be designed adequately. In such a composition, since the same switch can be used to switch from both sides, the front and the rear sides, the numbers of parts and processes to compose the switch can be reduced and a low cost double-sided input switch can be obtained.

COPYRIGHT: (C)1989,JPO&Japio